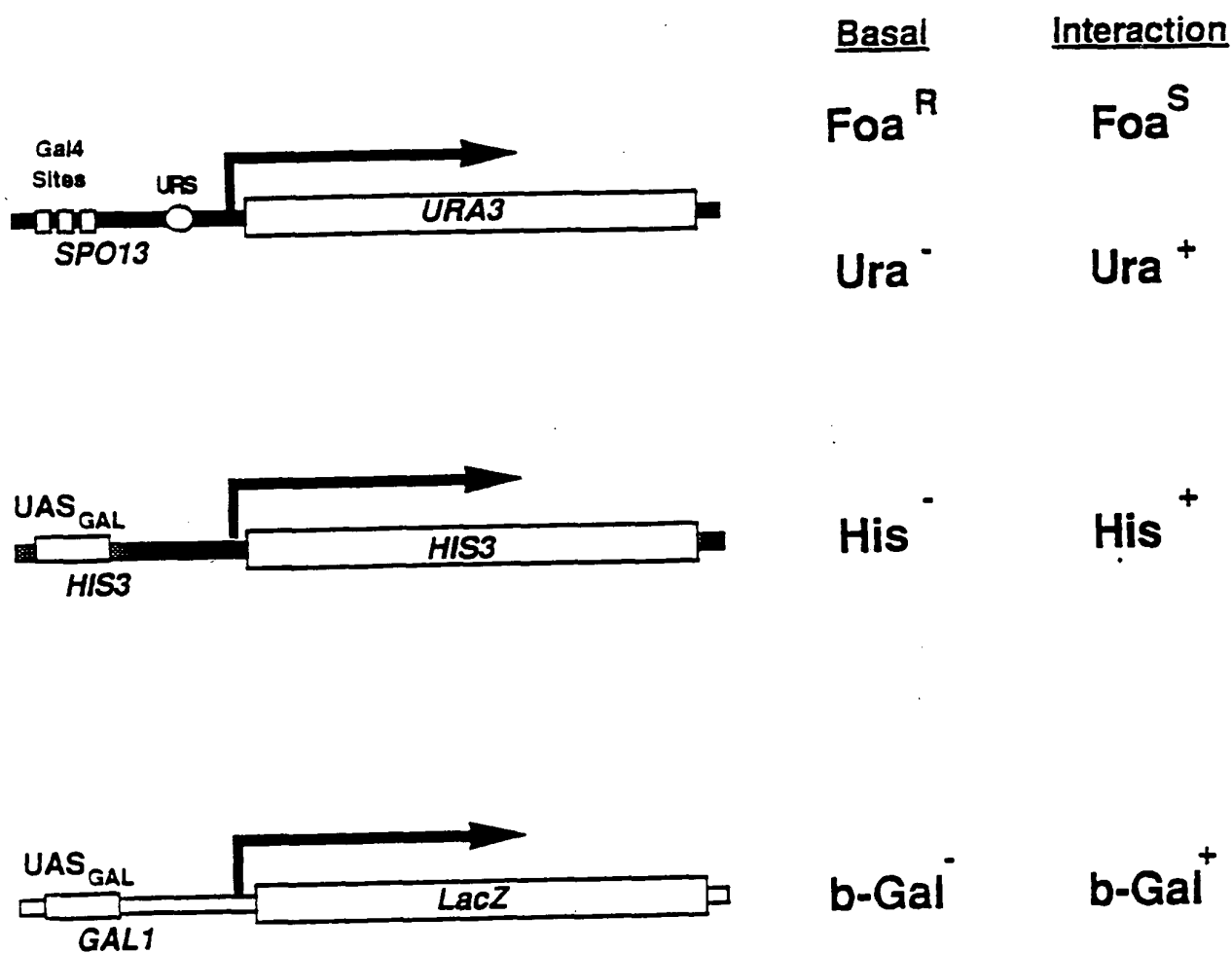


FIGURE 1

Matter No.: 10974-239005  
 Applicant(s): Marc Vidal et al.  
 REVERSE TWO-HYBRID SYSTEMS

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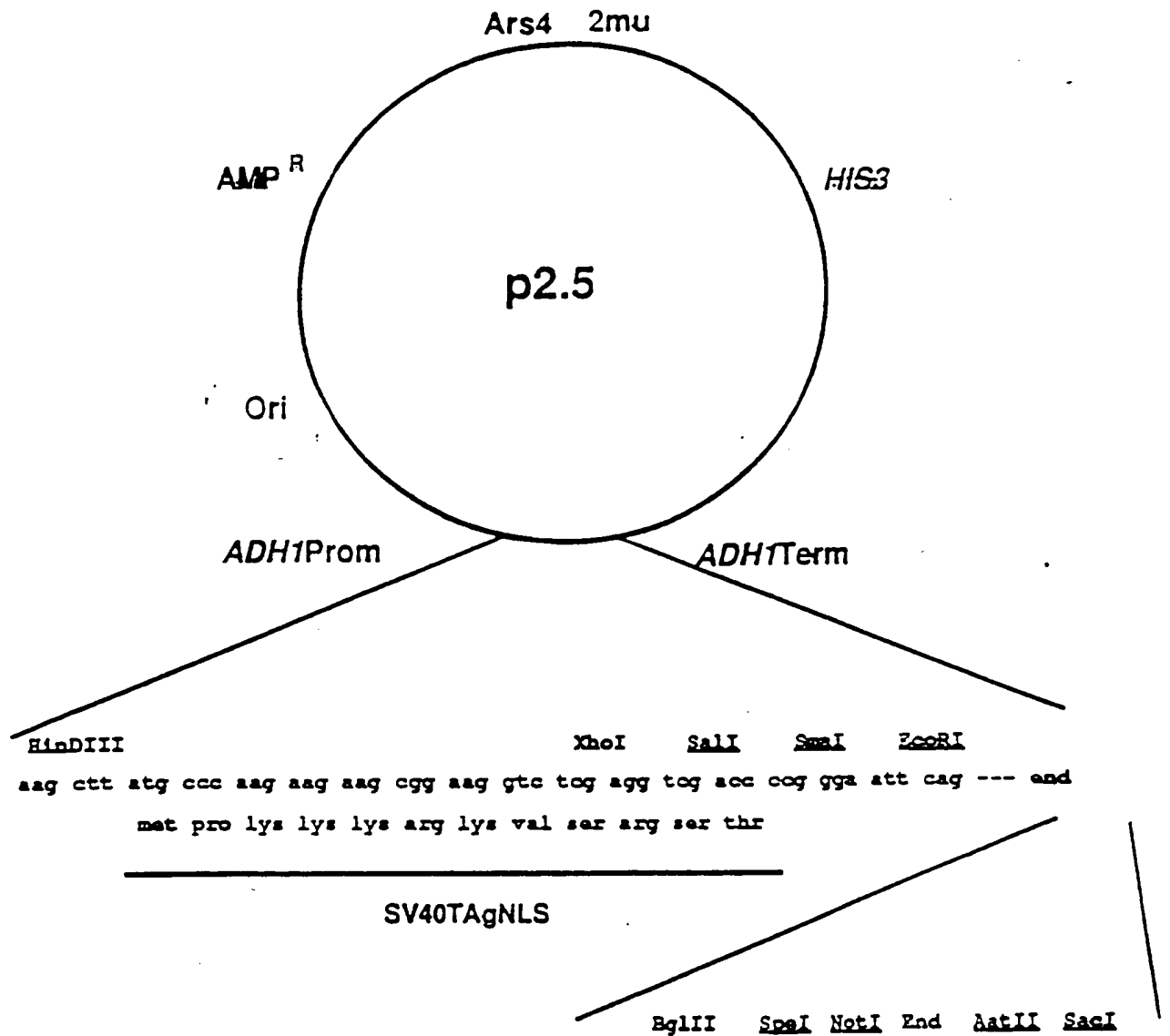


1002749-122101

FIGURE 2

Matter No.: 10974-239005  
 Applicant(s): Marc Vidal et al.  
 REVERSE TWO-HYBRID SYSTEMS

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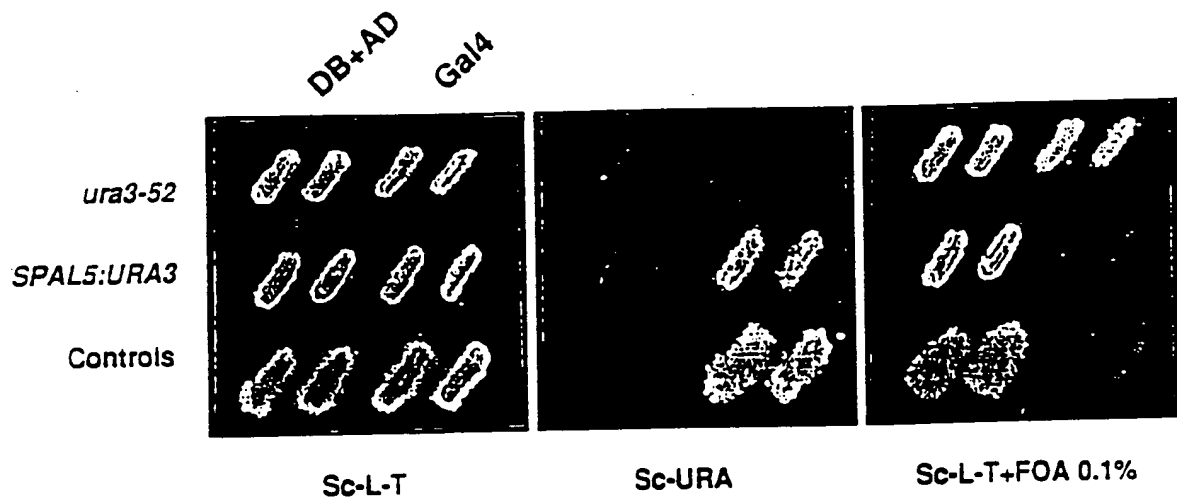


10027249.122101

FIGURE 3

Matter No.: 10974-239005  
 Applicant(s): Marc Vidal et al.  
 REVERSE TWO-HYBRID SYSTEMS

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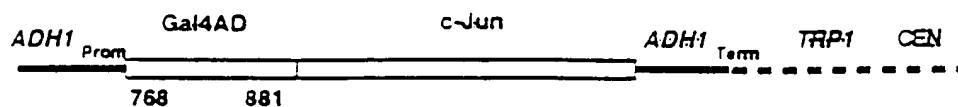
10027249-123101

[illegible]

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ADHI Prom Gal408D cFos ADHI Term LEU2 CEN

1 147



ADH1 Prom Gal4DBD pRb ADH1 Term LEU2 CEN

1 147

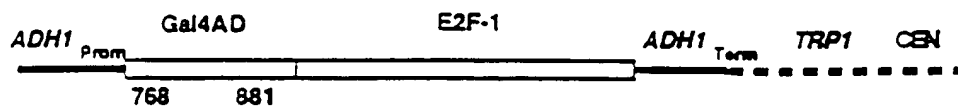
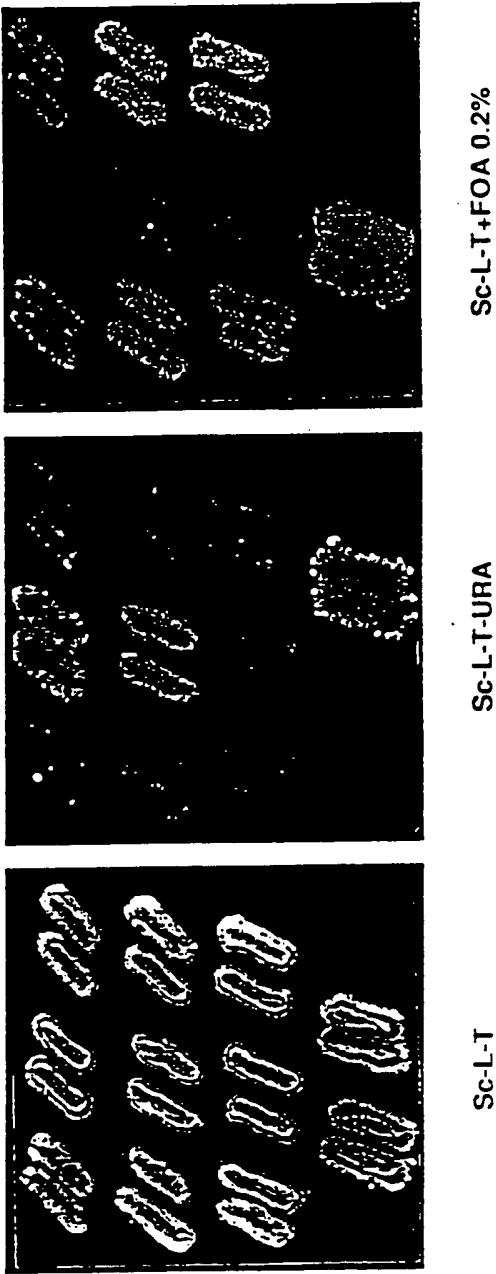


FIGURE 5

FOOTPRINT "5F2200T"



DB	Gal4	Vectors
AD		
DB-Fos	DB-Fos	DB
AD	AD-Jun	AD-Jun
DB-Rb	DB-Rb	DB
AD	AD-E2F	AD-E2F
	Controls	

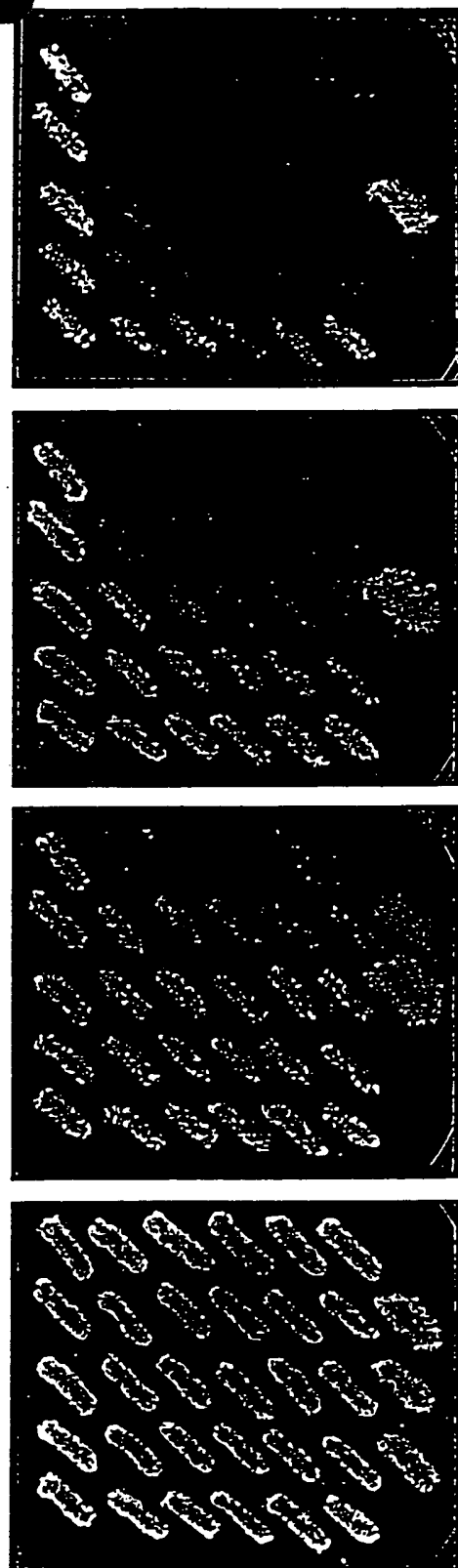
FIGURE 6

FOOTNOTES

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Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

DB+AD  
DB-Jun+AD-Jun  
DB-Rb+AD-E2F  
DB-Fos+AD-Jun  
Gal4



ura3-52  
SPAL5:URA3  
SPAL7:URA3  
SPAL8:URA3  
SPAL10:URA3  
SPALX:URA3

Controls

Sc-L-T+FOA 0.2%

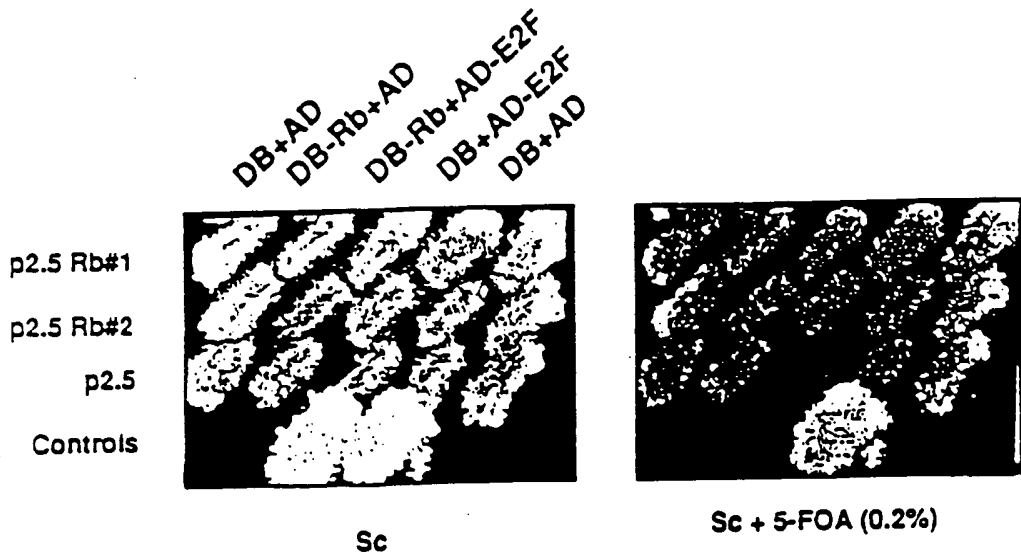
Sc-L-T+FOA 0.1%

Sc-L-T+FOA 0.05%

Sc-L-T

FIGURE 7

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS



FOOTNOTES

FOCAL STAINING

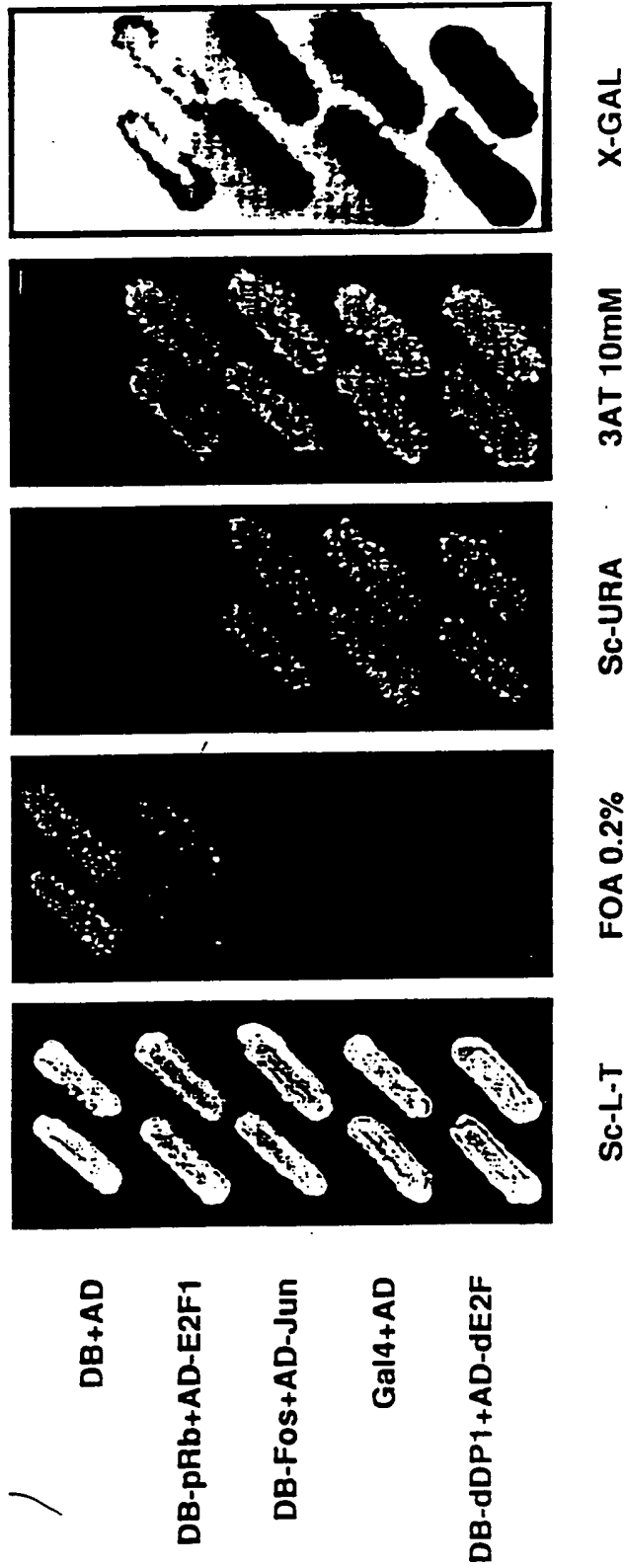
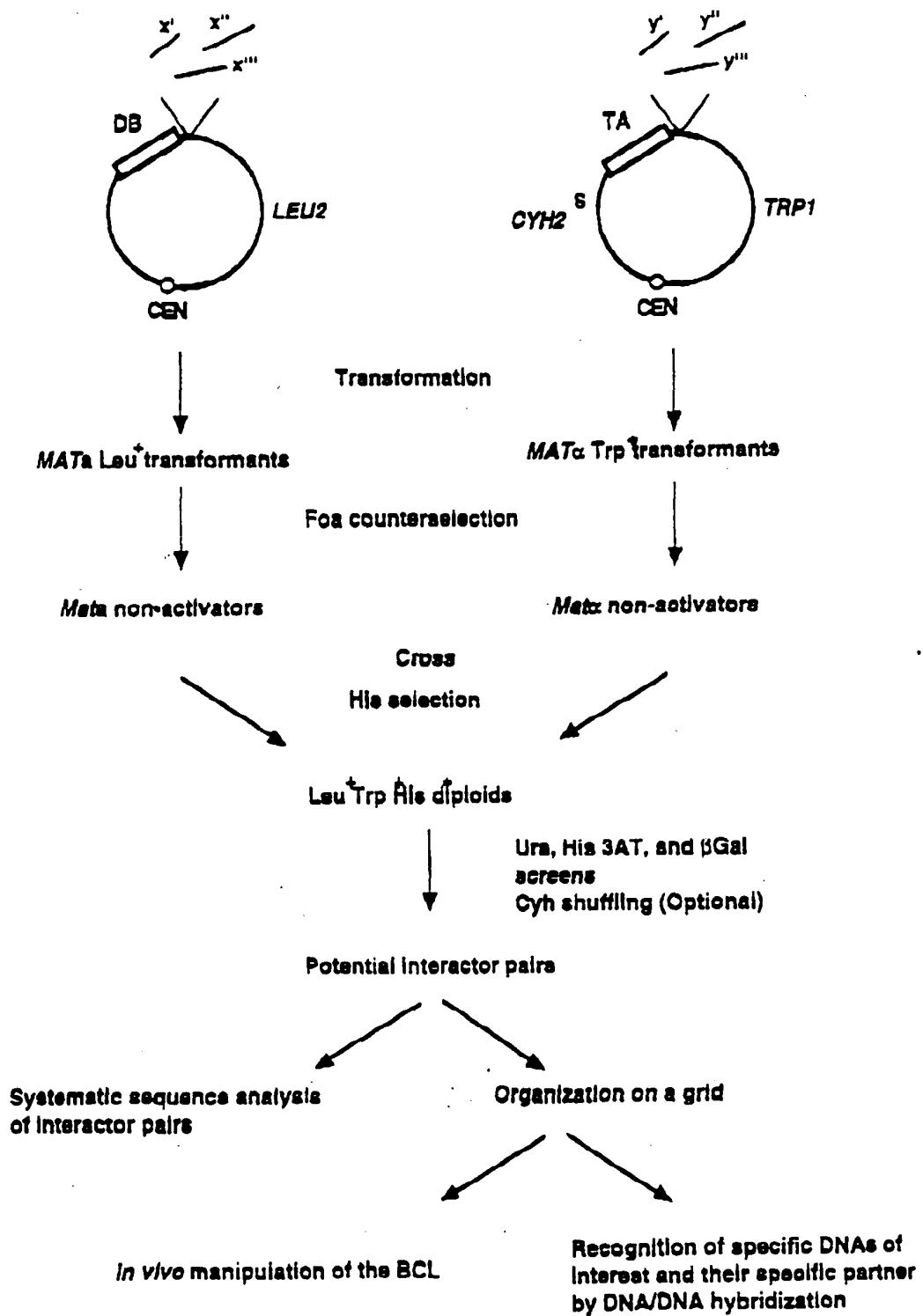




FIGURE 9



# TO THE GAL4

GAL4  
146 147

VAL SER SER ARG SER THR PRO GLY ILE GLN ILE TYR END  
GTA TCG TCG AGG TCG ACC CCG GGA ATT CAG ATC TAG TCGCGCCCG

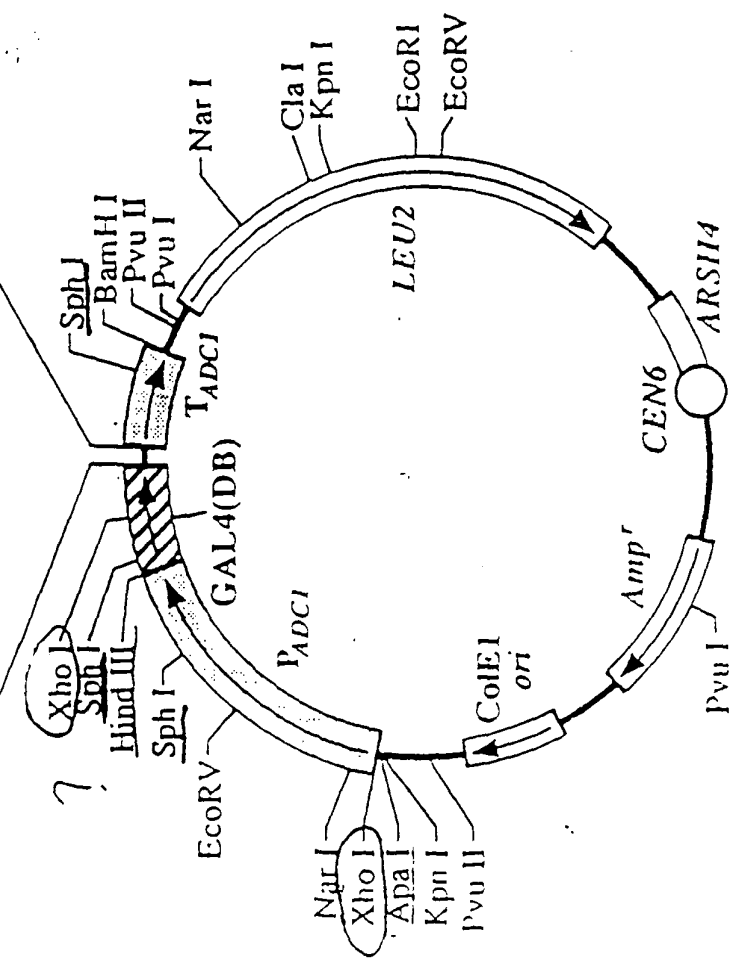
Sal I Sma I EcoR I Bgl II Spe I Not I

END END END END END END  
TAAGTAAGTAAGACGCTCTAAGTAAGTAAGACGCGCCGACCGCGGTGGAGCTTT

T<sub>ADCI</sub>  
Sac II

Sac II

Aat II Sac I



Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

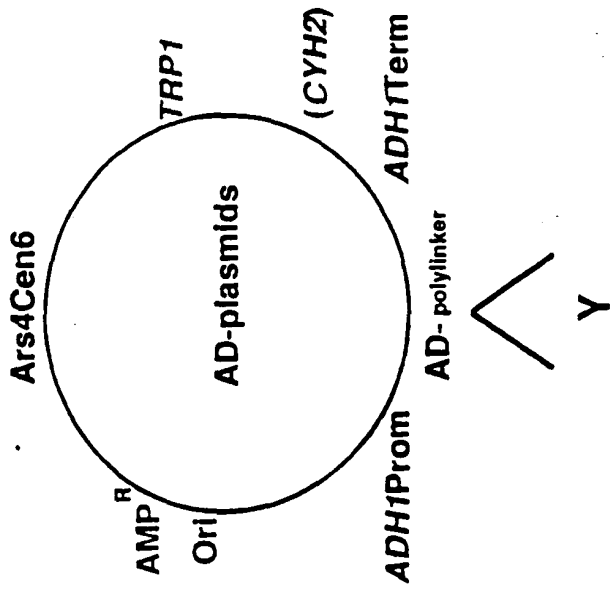
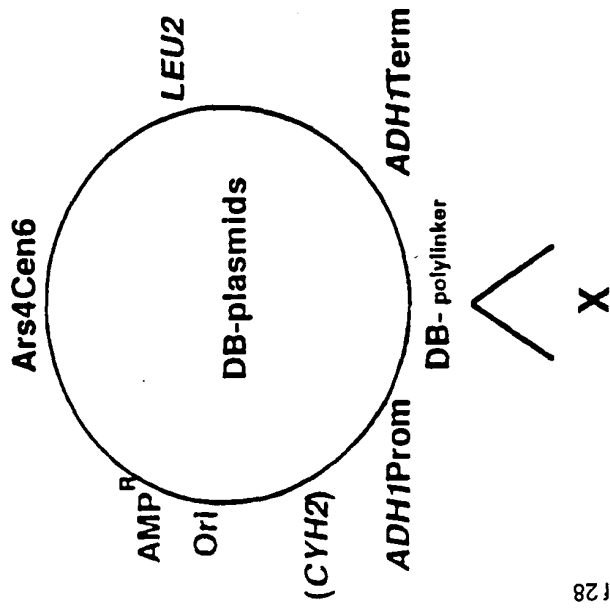
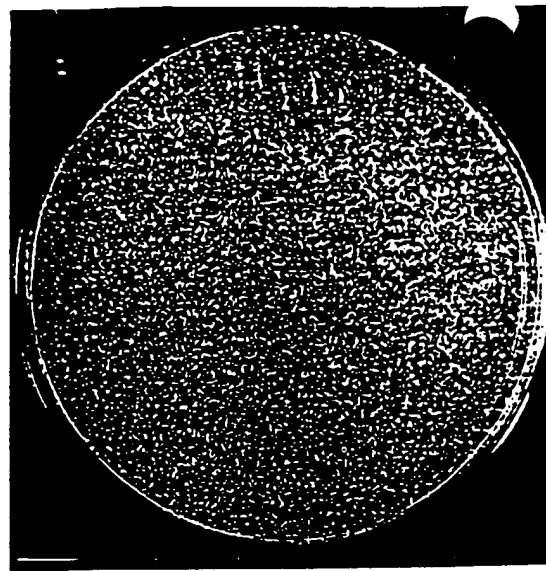


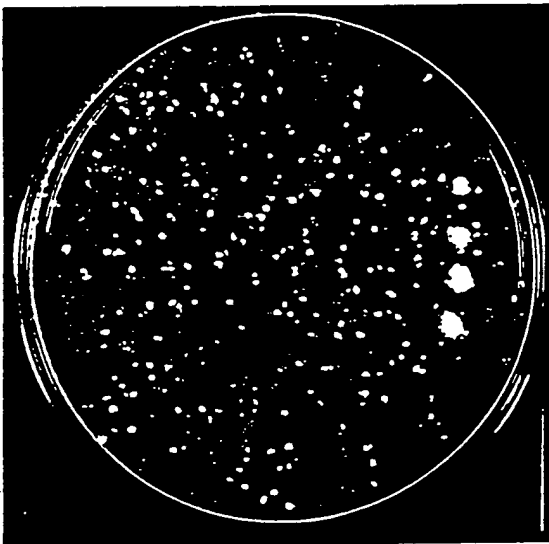
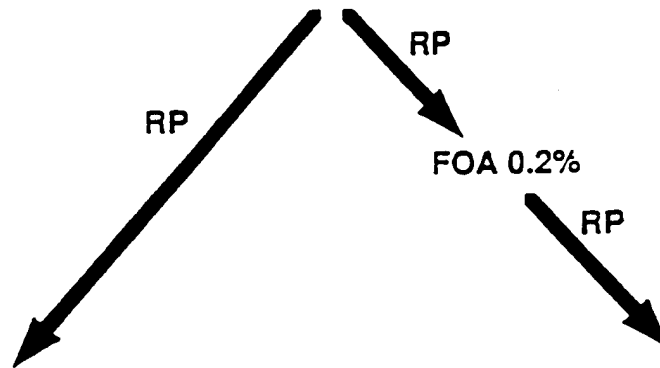
FIGURE 6

DB-X	Total	Hls+	Retested	Known Interacting	"Novel" Interacting	False positive
None	1x10 <sup>6</sup>	1	0			
p130	5x10 <sup>5</sup>	19	9	0	5 → 2	
DP1	2x10 <sup>5</sup>	7	7	6 → 2	1 → 1	
pRb	1x10 <sup>6</sup>	20	0			
p35	1x10 <sup>6</sup>	20	8	0	8 → 2	0
CDK3	1x10 <sup>6</sup>	38	16			
CDK3	1x10 <sup>6</sup>	38	16			
DCC1	3x10 <sup>6</sup>	81	23	0		
Zebu	1x10 <sup>6</sup>	81	23			

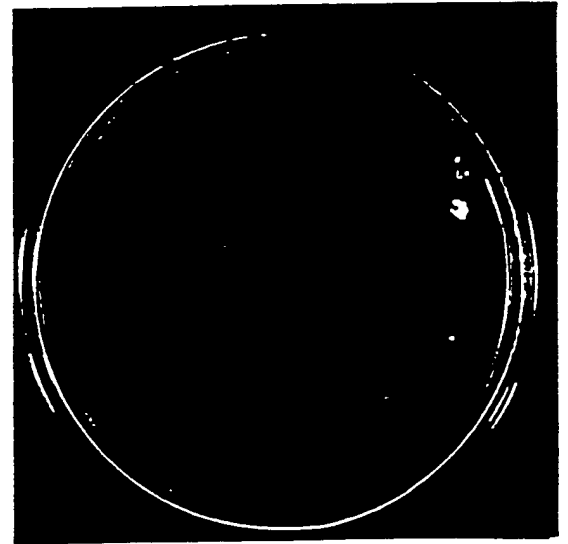
FIGURE 12



Sc-L



3AT 10mM



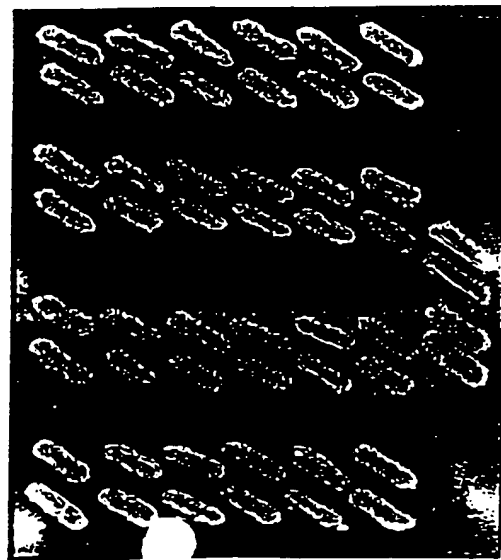
100722200T

DB-X	AD-Y	AD-pRb	AD-107	AD-130	DP1	CDK2	Jun	None
None								
E2F1		2	1					
E2F2		1	1					
E2F3					2			
E2F4								
Fos							24	
Jun								
CyclInA								
p21								
DCC1								39

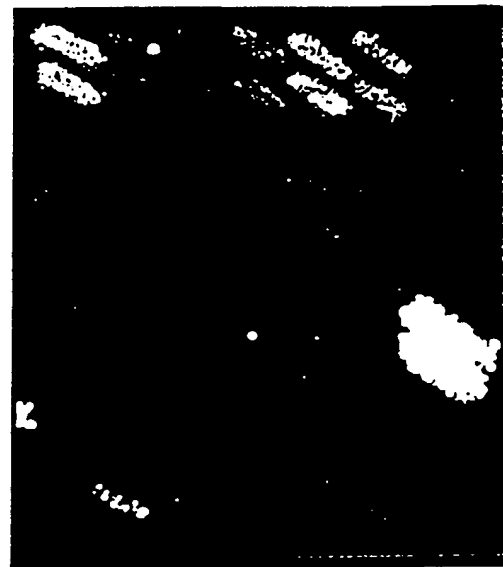
FIGURE 14

TECEP-5T2200T

DB-Rb + AD  
DB-Rb + AD-E2F-1  
DB-p107 + AD  
DB-p107 + AD-E2F-4



Sc-L-T-H



Sc-L-T-H-U



Sc-L-T-H+FOA 0.2%

E1A#2  
E1A#4  
E1A-CR1  
pRb  
E1A-CR2  
Controls

FIGURE 15

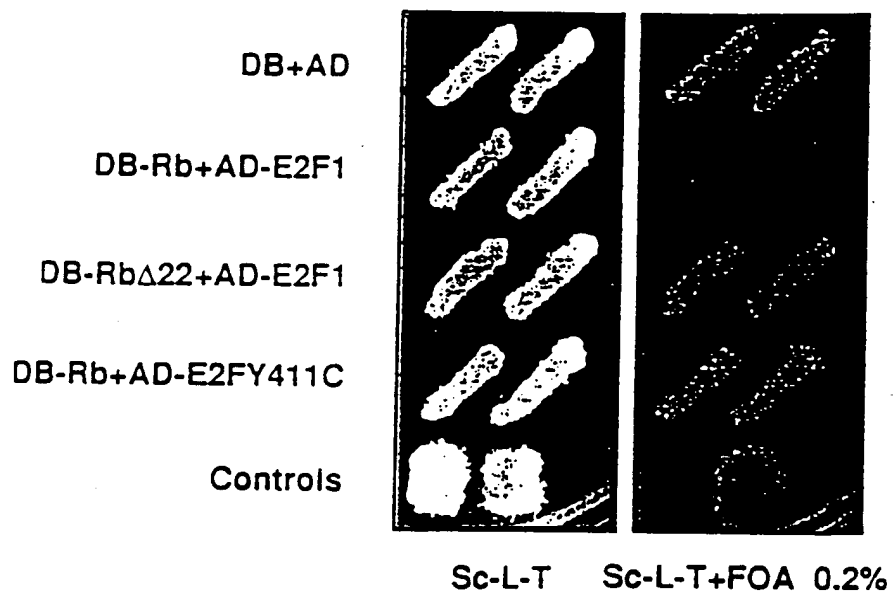
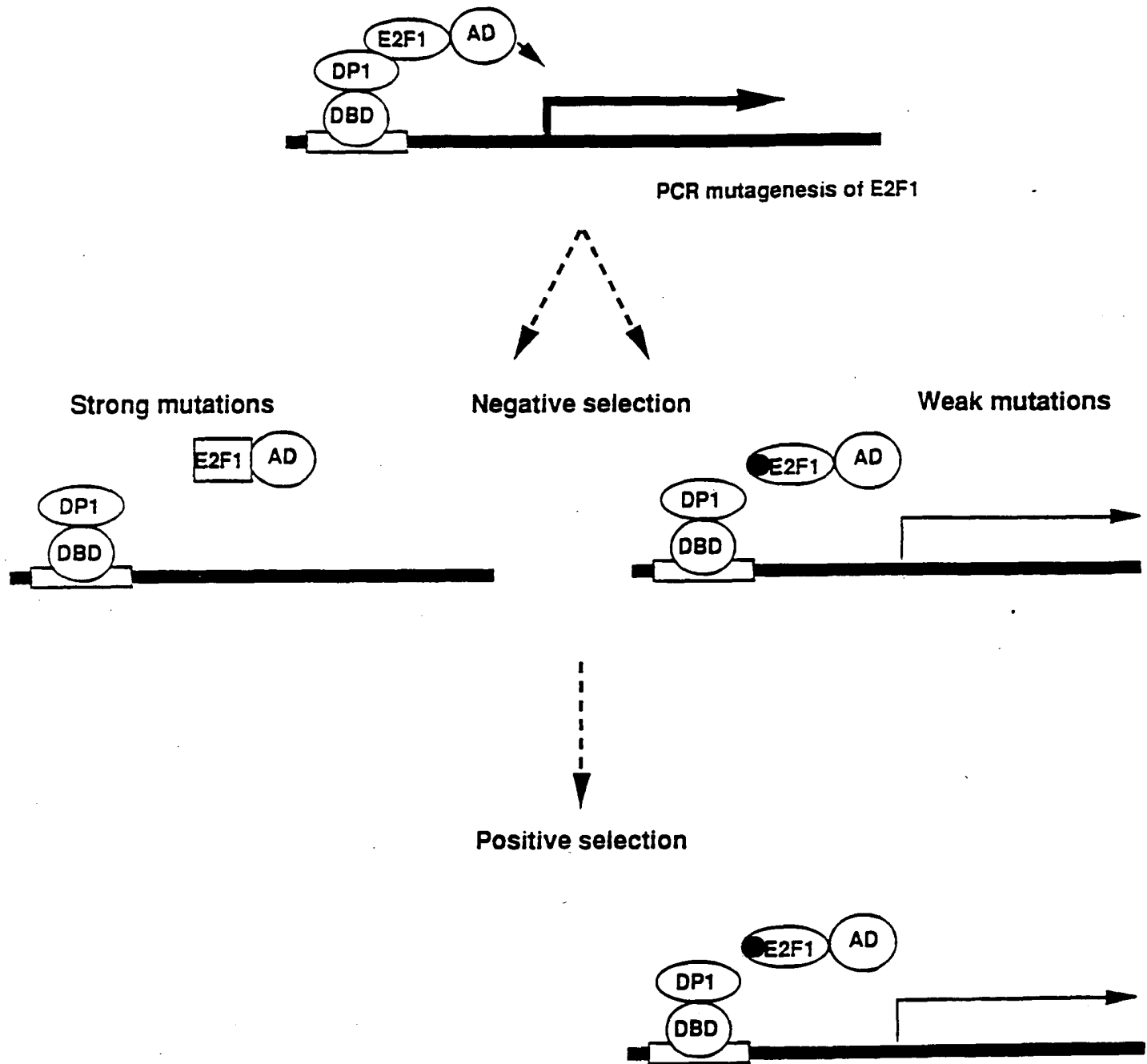




FIGURE 16



1002749.1.2004

FIGURE 17

FOOTPRINT FOOT

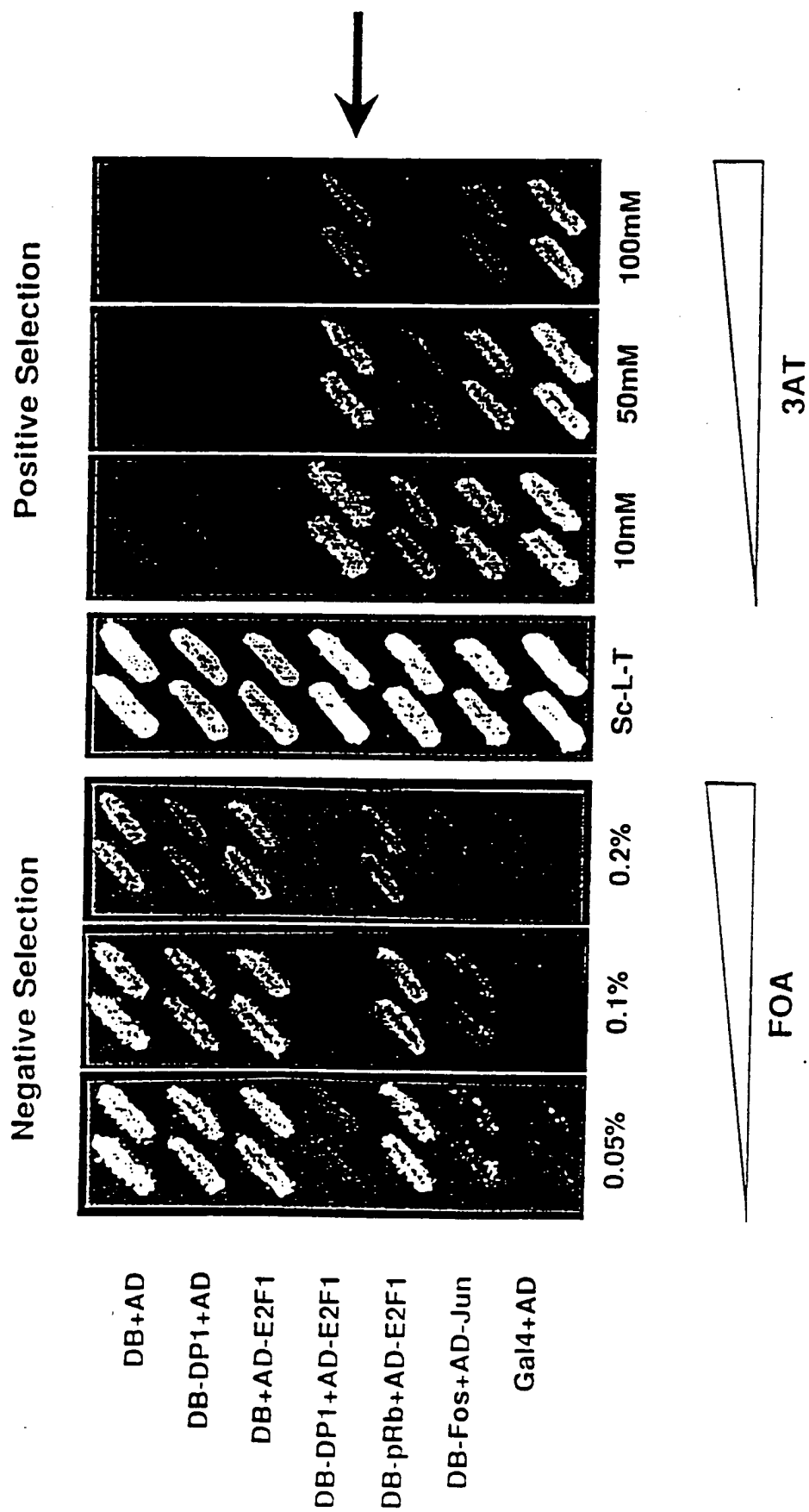
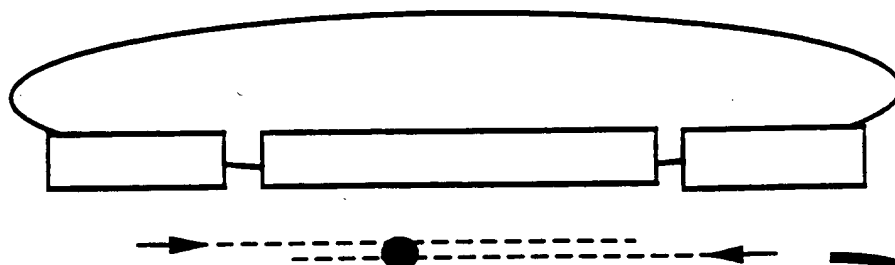


FIGURE 18A

### PCR reaction



### Gap repair

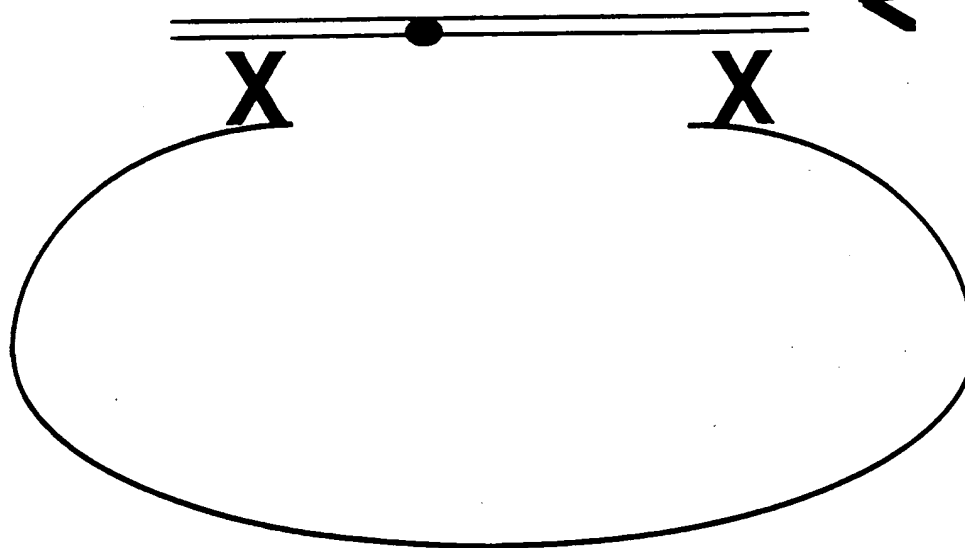
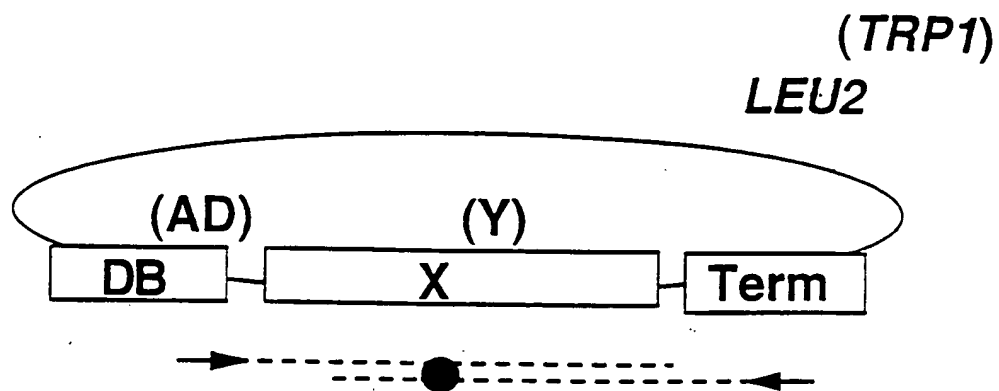


FIGURE 18A

# In vitro mutagenic PCR reaction



## In vivo gap repair

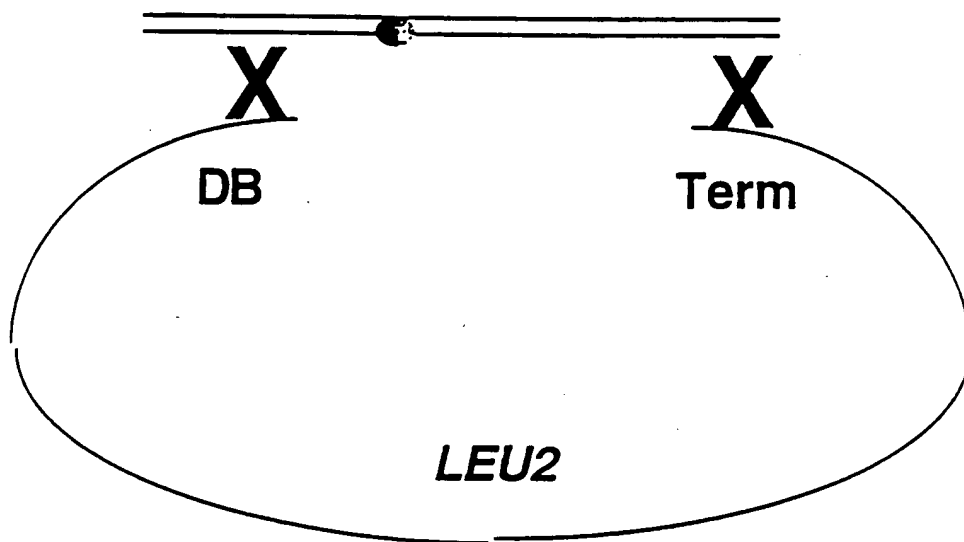


FIGURE 19

FOOTNOT 6T2200T

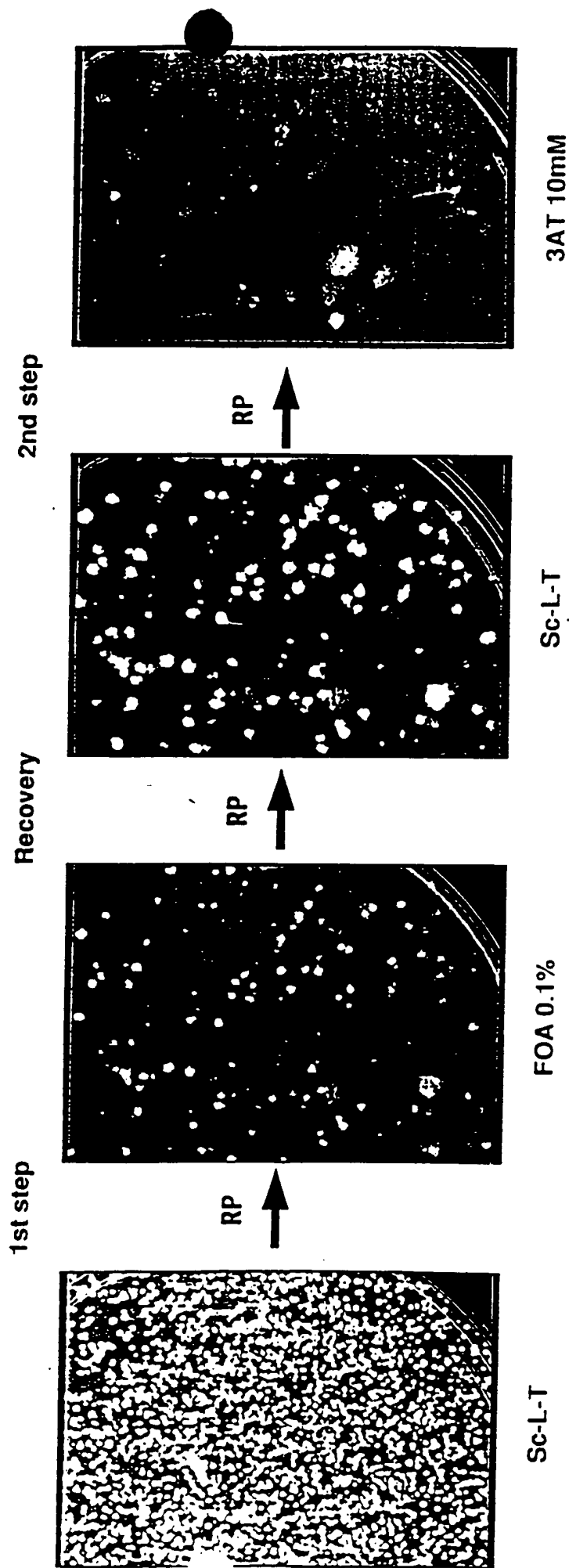


FIGURE 20

FOA 0.1% 3AT 20mM Sc-L-T Sc-L-T+XGal Sc-L-T-U

DB-DP1 +

AD-E2F1-20

AD-E2F1-30

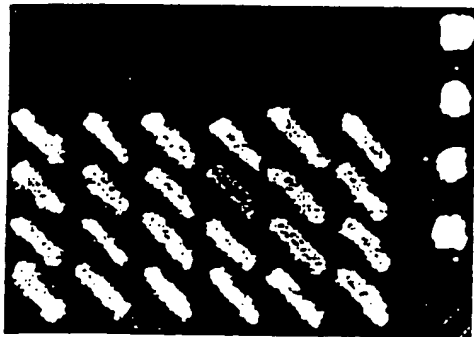
AD-E2F1-31

AD-E2F1-32

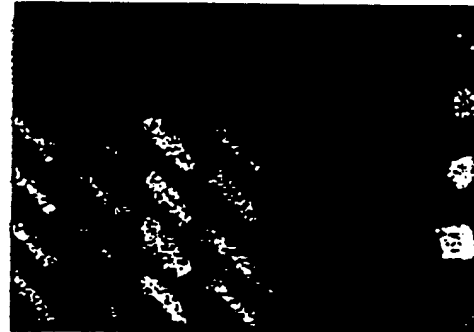
AD-E2F1-34

AD-E2F1

Controls 1,2,3,4



Sc-L-T



FOA 0.1%



3AT 20mM



Sc-L-T+XGal



Sc-L-T-U

FIGURE 21

FOOTPRINT "672200T"

# MARKED BOX 2

283	Q	I	N	L	K	S	H	S	G	P	I	H	V	L	L	I	N	301	K	E2F5
	Q	I	H	L	K	S	V	S	G	P	I	E	V	L	L	V	N	K	E2F4	
	Q	I	H	L	A	S	T	Q	G	P	I	E	V	Y	L	C	P	E	E2F3	
	Q	I	Y	L	K	S	T	Q	G	P	I	E	V	Y	L	C	P	E	E2F2	
	Q	I	S	L	K	S	K	Q	G	P	I	D	V	F	L	C	P	E	E2F1	
T																			E2F1-20	
																			E2F1-30	
T																			E2F1-32	
																			E2F1-31	
N																			E2F1-65	

FIGURE 22

TEF-221 6722007

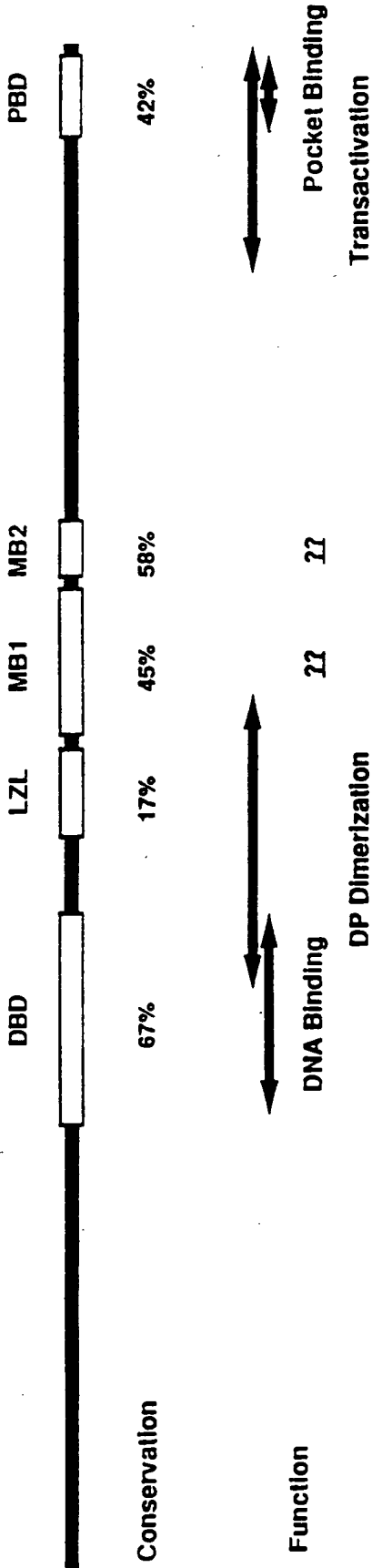
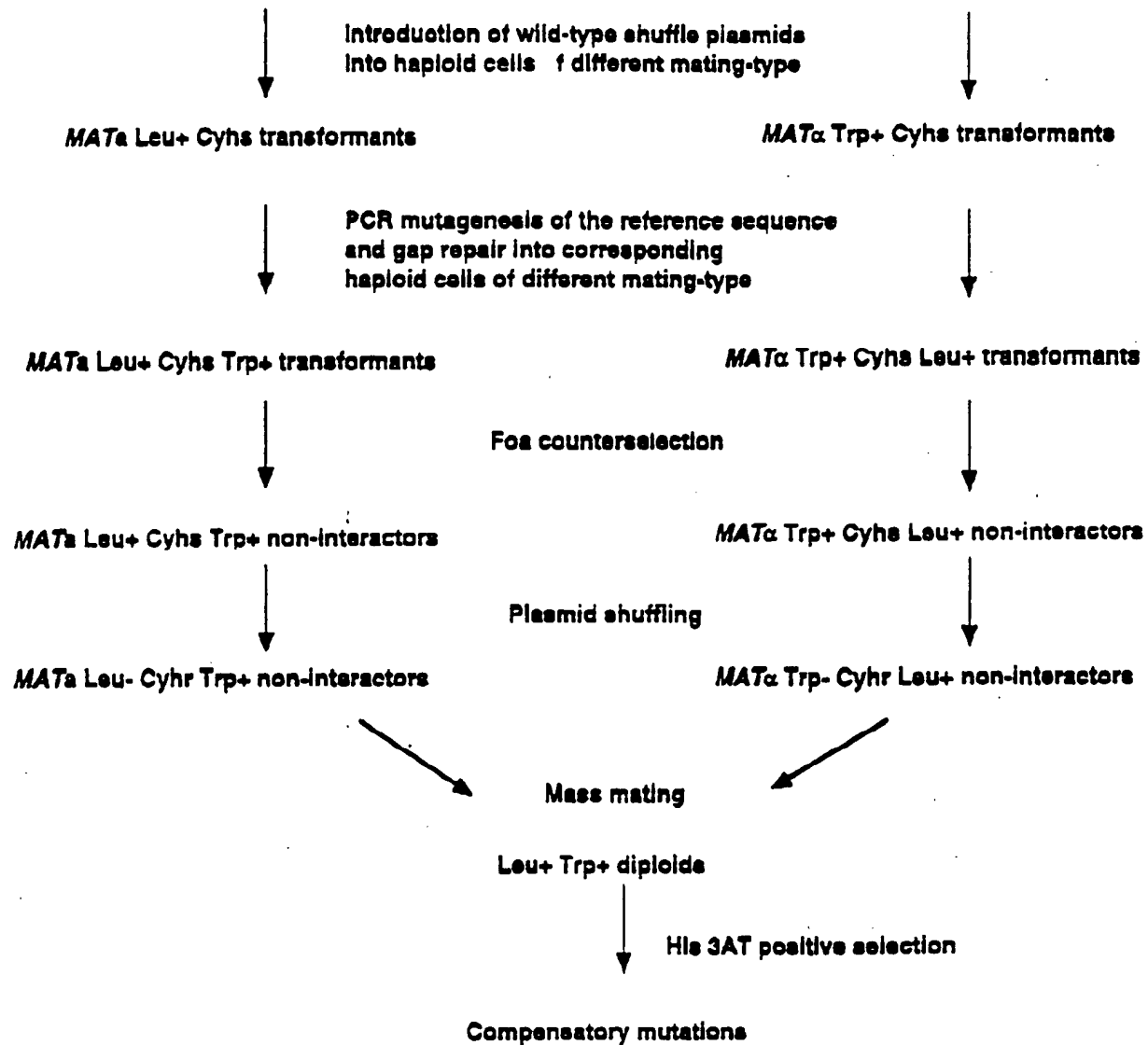




FIGURE 23A



100734-100734

FIGURE 23B

Matter No.: 10974-239005  
Applicant(s): Marc Vidal et al.  
REVERSE TWO-HYBRID SYSTEMS

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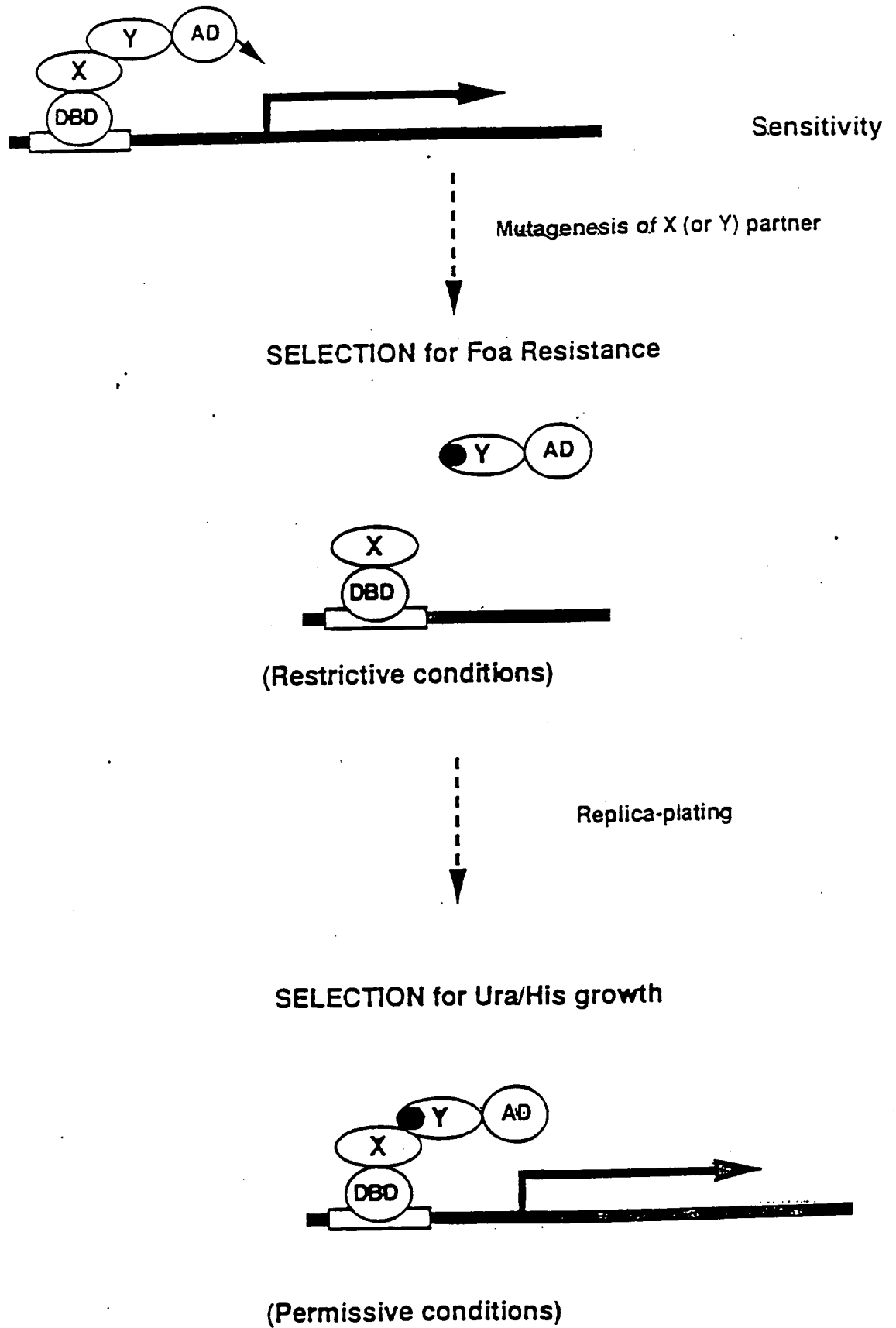


FIGURE 24

RECEIVED 5/22/00

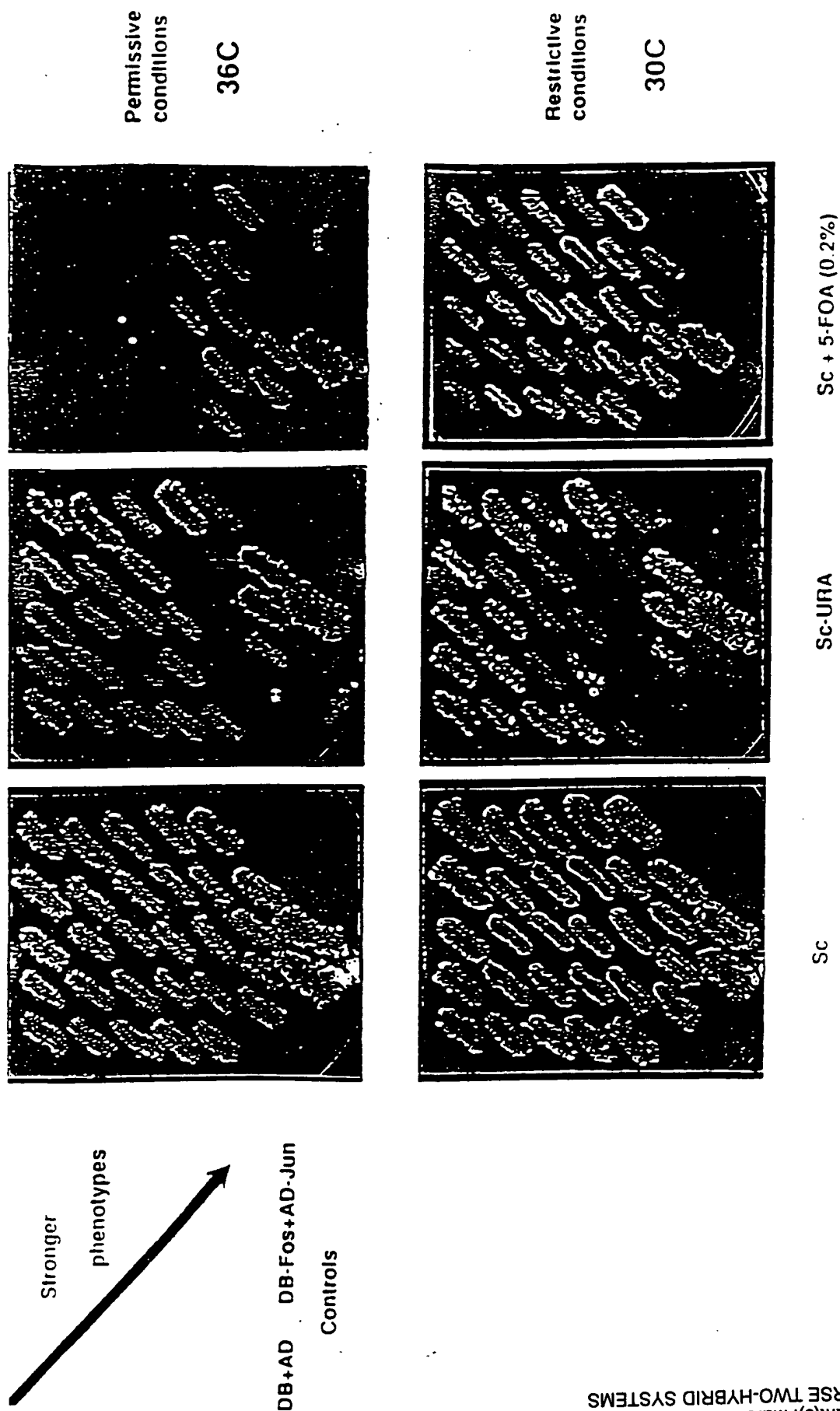


FIGURE 25

